INTERNATIONAL SEARCH REPORT

Internation No
PCT/EP2005/002557

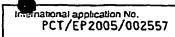
A. CLASSI	FICATION OF SUBJECT MATTER C12N9/04 C12N15/31							
According to	o International Patent Classification (IPC) or to both national classific	ation and IPC						
B. FIELDS SEARCHED								
Minimum 30	ocumentation searched (classification system followed by classification C12N	on symbols)	· ·					
	tion searched other than minimum documentation to the extent that s							
	ada baso consulted during the international search (name of data ba ternal, Sequence Search	se and, where practical, search lerms used)						
С. ДОСИМ	ENTS CONSIDERED TO BE RELEVANT							
Category *	Citation of document, with indication, where appropriate, of the rel	evant passages	Relevant to daim No.					
X.	WO 03/091423 A (DEGUSSA AG; HUMME WERNER; ABOKITSE; KOFI; GROEGER, 6 November 2003 (2003-11-06) see the whole document	L. HARALD)	1-24					
х	EP 1 382 683 A (SUMITOMO CHEMICAL LIMITED) 21 January 2004 (2004-0) see the whole document and especial NO: 1	1-24						
X	EP 1 213 354 A (SUMITOMO CHEMICAL LIMITED) 12 June 2002 (2002-06-12 see the whole document and especi ID NO: 34	1-24						
X Fun	ther documents are listed in the continuation of box C.	Patent family members are listed in	n annex.					
'A' document defining the general state of the land which is not considered to be of particular relevance		'T' later document published after the international fiting date or priority date and not in conflict with the application but cited to understand the principle or theory undersying the invention 'X' document of particular relevance; the claimed invention						
"O" docum other	ent which may throw doubts on priority claim(s) or is ched to establish the publication date of another on or other special reason (as specialed) her in continuous and disclosure, uso, exhibition or means	cannot be considered novel or cannot involve an inventive step whan the do 'Y' document of particular relevance; the cannot be considered to involve an involvement is combined with one or ments, such combination being obvious	cument is taken alone laimed invention ventive step when the ve other such docu-					
later l	ent published prior to the international filing date but han the priority date claimed	in the art. *&* document member of the same patent	 					
	actual completion of the international search	Date of mailing of the international sea	rch report					
	28 November 2005	06/12/2005						
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nt,		Authorized officer Grosskopf, R	•					
1	Fax: (+31+70) 340-3016	1 2. 222. Op 1 , 1.						

INTERNATIONAL SEARCH REPORT

Inter anal Application No
PCT/EP2005/002557

Category* Casion of document, with indication, where appropriate, of the relevant passages X WANG J-C ET AL: "Cloning, sequence analysis, and expression in Escherichia	Relavant to claim No.
X WANG J-C ET AL: "Cloning, sequence	
WANG J-C ET AL: "Cloning, sequence analysis, and expression in Escherichia	
coli of the gene encoding phenylacetaldehyde reductase from styrene-assimilating Corynebacterium sp. strain ST-10" APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, SPRINGER VERLAG, BERLIN, DE, vol. 52, no. 3, 1999, pages 386-392, XP002221908 ISSN: 0175-7598 see the whole document & DATABASE UniProt 'Online! 1 May 1999 (1999-05-01), "Phenylacetaldehyde reductase." retrieved from EBI accession no. UNIPROT:09ZN85 Database accession no. Q9ZN85	

Form PCT/ISA/210 (continuation of second sheet) (January 2004)



INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)					
This International Search Report has not been established in respect of certain daims under Article 17(2)(a) for the following reasons:					
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:					
2. X Claims Nos.: 25-28 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: see FURTHER INFORMATION sheet PCT/ISA/210					
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).					
Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)					
This International Searching Authority found multiple inventions in this international application, as follows:					
As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.					
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.					
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:					
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:					
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.					

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 25-28

Claim 1 of the application as filed was illegible. Therefore, in principle, a search for claims 1 and 2 to 24 (which all referred to Claim 1) was not possible.

Thus, on the basis of the description a search was carried out for

Thus, on the basis of the description, a search was carried out for the subject-matter which, under the most reasonable considerations, should have formed part of claim 1.

However, even on the basis of the description it was not clear which sequence or sequences should have been included in Claim 1.

Since all of the sequences seemed to be equivalent, in accordance with considerations which apply for lack of unity, the search was carried out with respect to the sequence(s) which

appear as the first ones in the description (i.e. with regard to SEQ ID NOs: 1 to 5 which apparently have a high degree of homology). In fact, under the assumption that all sequences included in the sequence listing should have formed part of Claim 1, objections for lack of unity would

have to be raised. In view of the problems above, this could however not be done, since in the absence of knowing the exact contents of the claim, the possible number of alleged inventions could not be determined.

In addition, due to said problems it was neither posible to raise a non-unity objection with regard to the various primers of Claim 27. However, and in view of the documents which were found already with regard to the first invention, these primers do not belong to said first

invention and consequently have not been searched.
Finally, these primers do not even form part of the sequence

listing. Regardless the basic problems mentioned, a search for Claims 25 to 26 was not possible at all, since the ligands claimed are not characterised by (true) technical features.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT Information on patent family members

Interes nal Application No PCT/EP2005/002557

Patent document dted in search report		Publication date		Patent family member(s)		Publication date
WO 03091423	A	06-11-2003	AU DE EP JP	2003221539 10218689 1499716 2005523702	A1 A1	10-11-2003 20-11-2003 26-01-2005 11-08-2005
EP 1382683	Α	21-01-2004	NON			
EP 1213354	A	12-06-2002	US	2003134402	A1	17-07-2003